

Title (en)

Dimensionally stable silicone hydrogel contact lenses

Title (de)

Formstabile Silikonhydrogel-Kontaktlinsen

Title (fr)

Lentilles de contact à hydrogel à silicone dimensionnellement stable

Publication

EP 2492719 B1 20141203 (EN)

Application

EP 12156772 A 20120223

Priority

- US 201161447164 P 20110228
- EP 11165318 A 20110509
- EP 12156772 A 20120223

Abstract (en)

[origin: EP2492719A1] Dimensionally stable silicone hydrogel contact lenses are described. The lenses are derived from a polymerizable composition including a first siloxane monomer represented by formula (1): wherein m of formula (1) represents one integer from 3 to 10, n of formula (1) represents one integer from 1 to 10, R 1 of formula (1) is an alkyl group having from 1 to 4 carbon atoms, and each R 2 of formula (1) is independently either a hydrogen atom or a methyl group; the lenses also include units derived from a second siloxane monomer represented by formula (2): wherein R 1 of formula (2) is selected from either hydrogen atom or a methyl group; R 2 of formula (2) is selected from either of hydrogen atom or a hydrocarbon group having 1 to 4 carbon atoms; m of formula (2) represents an integer of from 0 to 10; n of formula (2) represents an integer of from 4 to 100; a and b represent integers of 1 or more; a+b is equal to 20-500; b/(a+b) is equal to 0.01-0.22; the configuration of siloxane units includes a random configuration, the second siloxane monomer having a number average molecular weight of at least 3,000 daltons that is present in the polymerizable composition in an amount such that ratio of the first siloxane monomer to the second siloxane monomer is at least 2:1 based on unit parts by weight. Batches of silicone hydrogel contact lenses and methods of making silicone hydrogel contact lenses are also described.

IPC 8 full level

C08L 83/04 (2006.01); **G02B 1/04** (2006.01)

CPC (source: EP)

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Cited by

EP4345122A1; GB2623813A; GB2623858A

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